

## LINEAR 50 - Gas log Installation

The RL50 can be converted into a gas fireplace as long as you keep the glass door fully open when operating the gas log. This is to allow enough air for an adequate and safe operation of the gas log. You can use any gas log set up to a maximum of 70,000 BTUs that is listed to ANSI Z21.60/CSA 2.26.

Remember that the installation of the gas line should be done by qualified personnel. All gas installations should be in accordance with local ordinances and the appropriate Gas Code.

We do not require any minimum clearances between the side or the top of the firebox and the gas log set. However, any clearances stated by the gas log set manufacturer must be maintained. You may install the gas valve inside the firebox if the gas log set manufacturer allows this in its installation instructions, and if the required clearances are met.

To convert the RL50 please carefully follow the following steps:

1. There is a 3" knock-out with a smaller hole in it on the right side of the fireplace about 8½" up from the bottom of the fireplace. The gas line must come into the fireplace through that hole. You can either bend or remove the entire knock-out. If you remove it, do not throw it away because you will have to put it back in place with aluminum adhesive tape after the installation of the gas line.
2. Cut through the insulation within the casing, but do not remove any insulation. Simply cut a slit or X which the gas line can be fed through.
3. Looking through the insulation, you should see a knock-out on the inner casing. Break it off and remove it.
4. Refer to the RL50 Owner's Manual and remove the refractory bricks that cover the right side of the firebox.
5. Using the hole through the casing as template for the location, drill a 1¼" hole through the right side of the firebox.
6. Now, you will need to drill a hole through the refractory brick. To do so, we suggest that you replace the refractory bricks and mark its back side through the opening in the casing and the firebox hole. Make sure that you place the refractory brick on a rigid flat surface before attempting to drill through. If you do not do so, it may crack. Once the refractory brick is drilled, make sure all the holes are aligned.
7. Refer to the RL50 Owner's Manual and reinstall all the refractory bricks in the firebox.
8. Once the gas line has been brought into the firebox, make sure to close the casing insulation around the gas line and close the 3" knock-out on the outer casing. Use aluminum adhesive tape to hold it in place.
9. Proceed with the installation of the gas log as per the gas log manufacturer installation instructions. Make sure also to respect all clearances stated by the gas log manufacturer.

**WARNING: THE MAXIMUM GAS OUTPUT ALLOWED IN THE RR1000 IS 70,000 BTUs. THE GAS LOG HAS TO BE LISTED TO ANSI Z21.60/CSA 2.26. THE GLASS DOOR MUST BE FULLY OPEN WHEN THE GAS LOG IS FUNCTIONING.**

When operating an RL50 with a gas log installed, make sure to follow the gas log manufacturer operating instructions.